FIG. 1

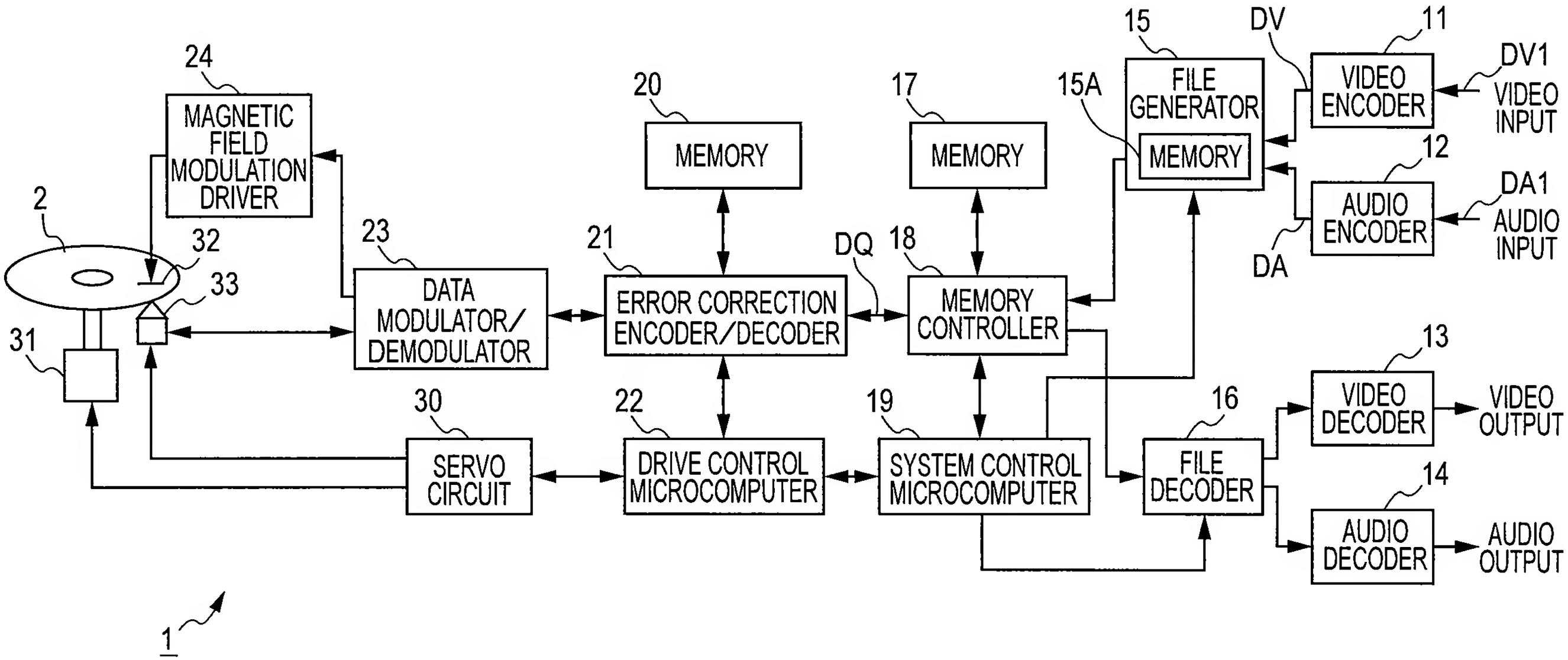

24
MAGNETIC FIELD MODULATION DRIVER
2
32
33
31
23
DATA MODULATOR/ DEMODULATOR
20
MEMORY
21
ERROR CORRECTION ENCODER/DECODER
17
MEMORY
DQ
18
MEMORY CONTROLLER
15
15A
FILE GENERATOR
MEMORY
DV
11
VIDEO ENCODER
DV1
VIDEO INPUT
12
AUDIO ENCODER
DA1
AUDIO INPUT
DA
30
SERVO CIRCUIT
22
DRIVE CONTROL MICROCOMPUTER
19
SYSTEM CONTROL MICROCOMPUTER
16
FILE DECODER
13
VIDEO DECODER
VIDEO OUTPUT
14
AUDIO DECODER
AUDIO OUTPUT
1

FIG. 2

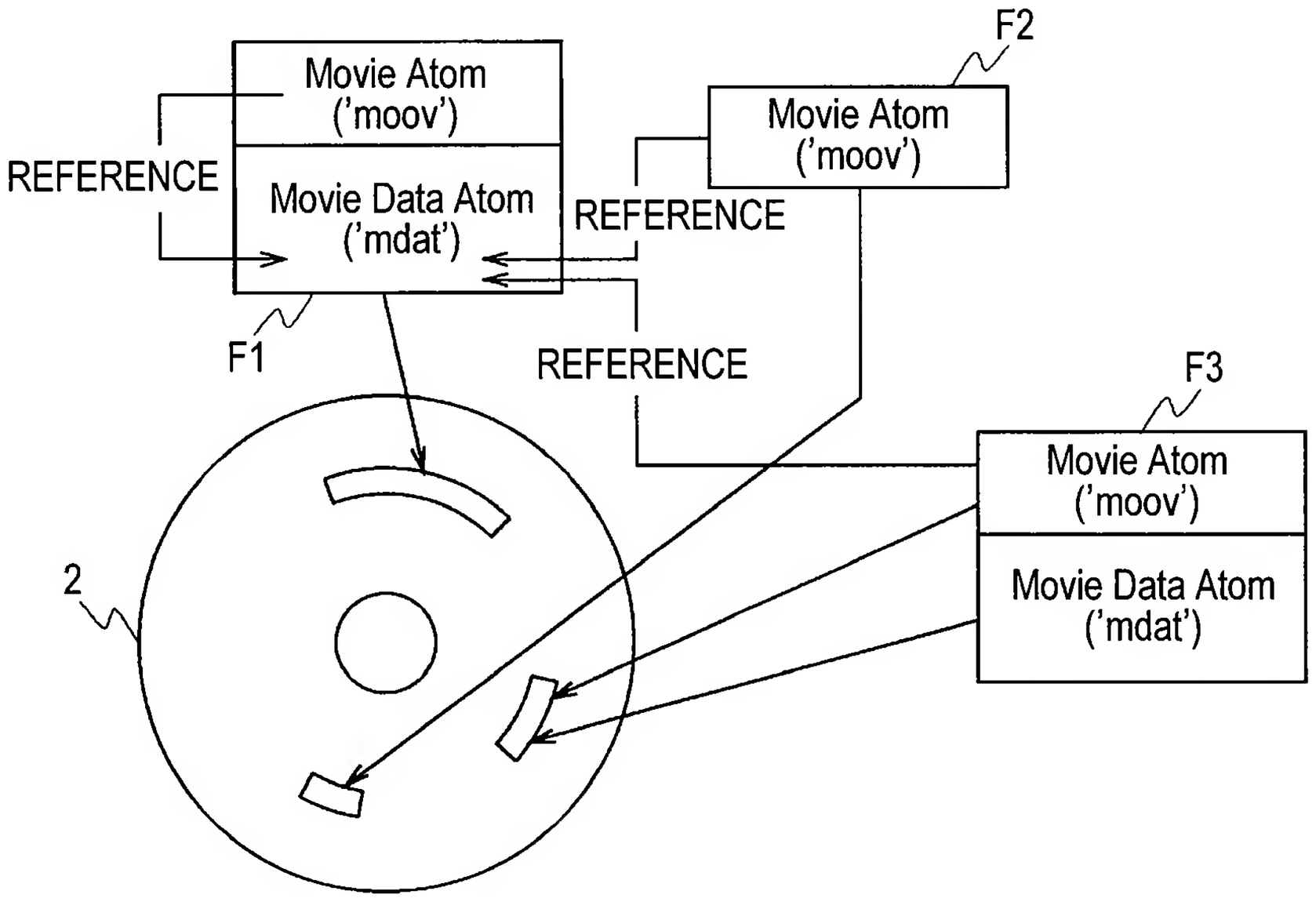

Movie Atom
('moov')
Movie Data Atom
('mdat')
REFERENCE
REFERENCE
REFERENCE
F1
F2
Movie Atom
('moov')
REFERENCE
F3
Movie Atom
('moov')
Movie Data Atom
('mdat')
2

FIG. 3

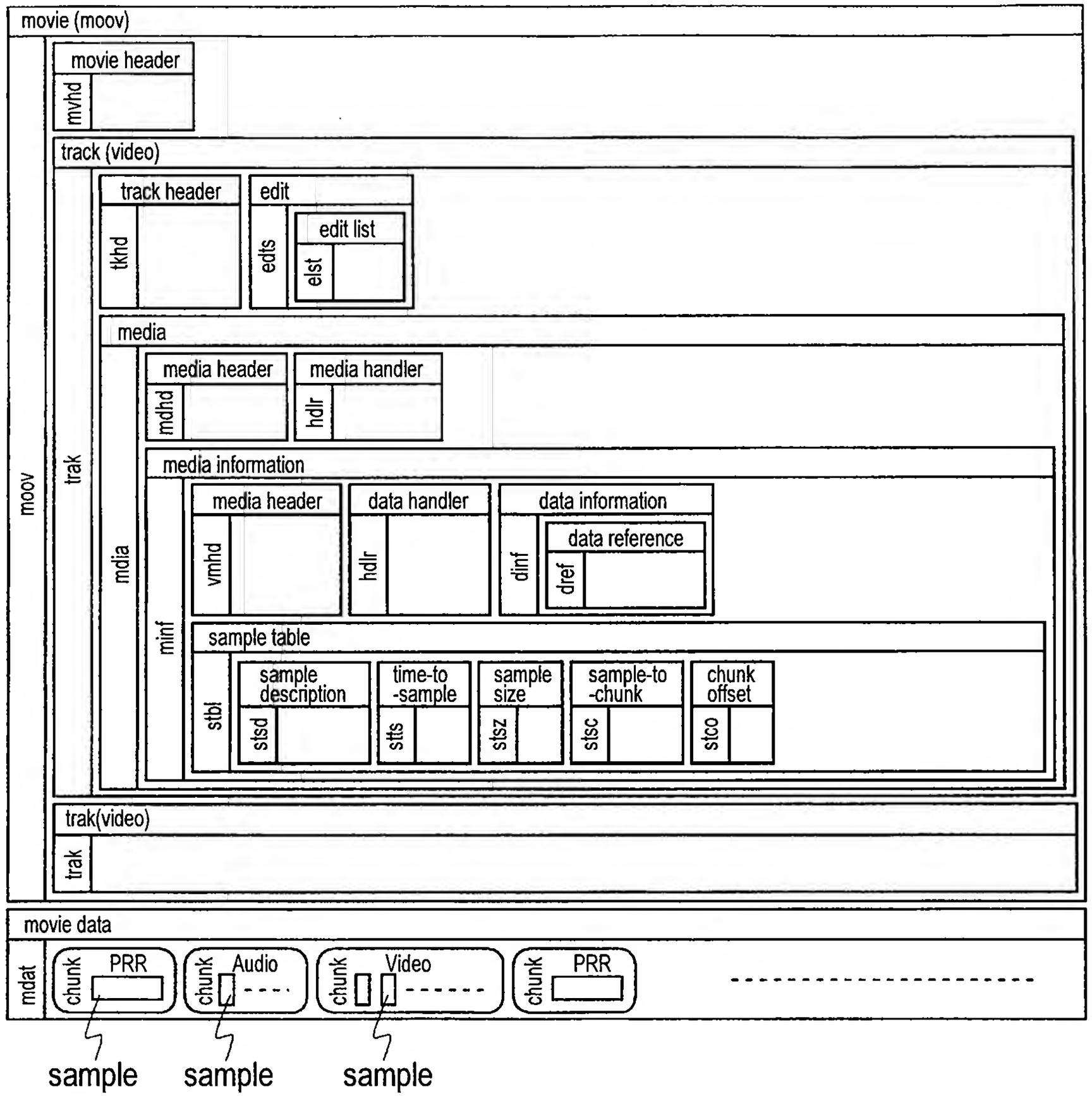

movie (moov)
movie header
mvhd
track (video)
track header
tkhd
edit
edts
edit list
elst
media
media header
mdhd
media handler
hdlr
media information
media header
vmhd
data handler
hdlr
data information
dinf
data reference
dref
sample table
stbl
sample description
stsd
time-to -sample
stts
sample size
stsz
sample-to -chunk
stsc
chunk offset
stco
minf
mdia
trak
moov
trak(video)
trak
movie data
mdat
chunk
PRR
Audio
Video
sample
sample
sample

FIG. 4

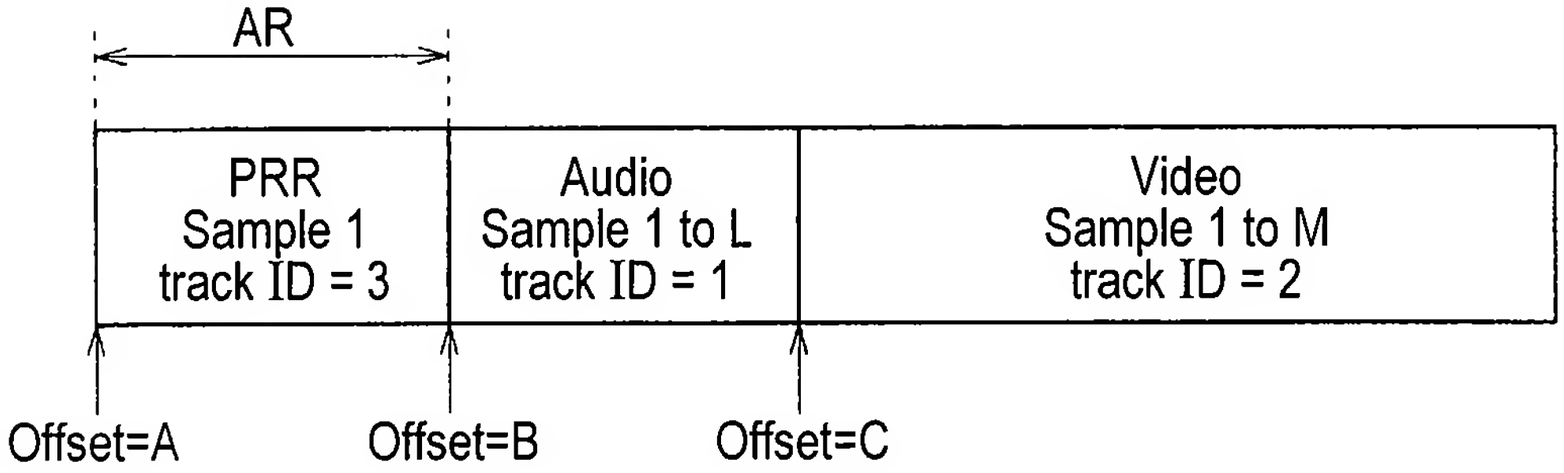

AR
PRR
Sample 1
track ID = 3
Audio
Sample 1 to L
track ID = 1
Video
Sample 1 to M
track ID = 2
Offset=A
Offset=B
Offset=C

FIG. 5

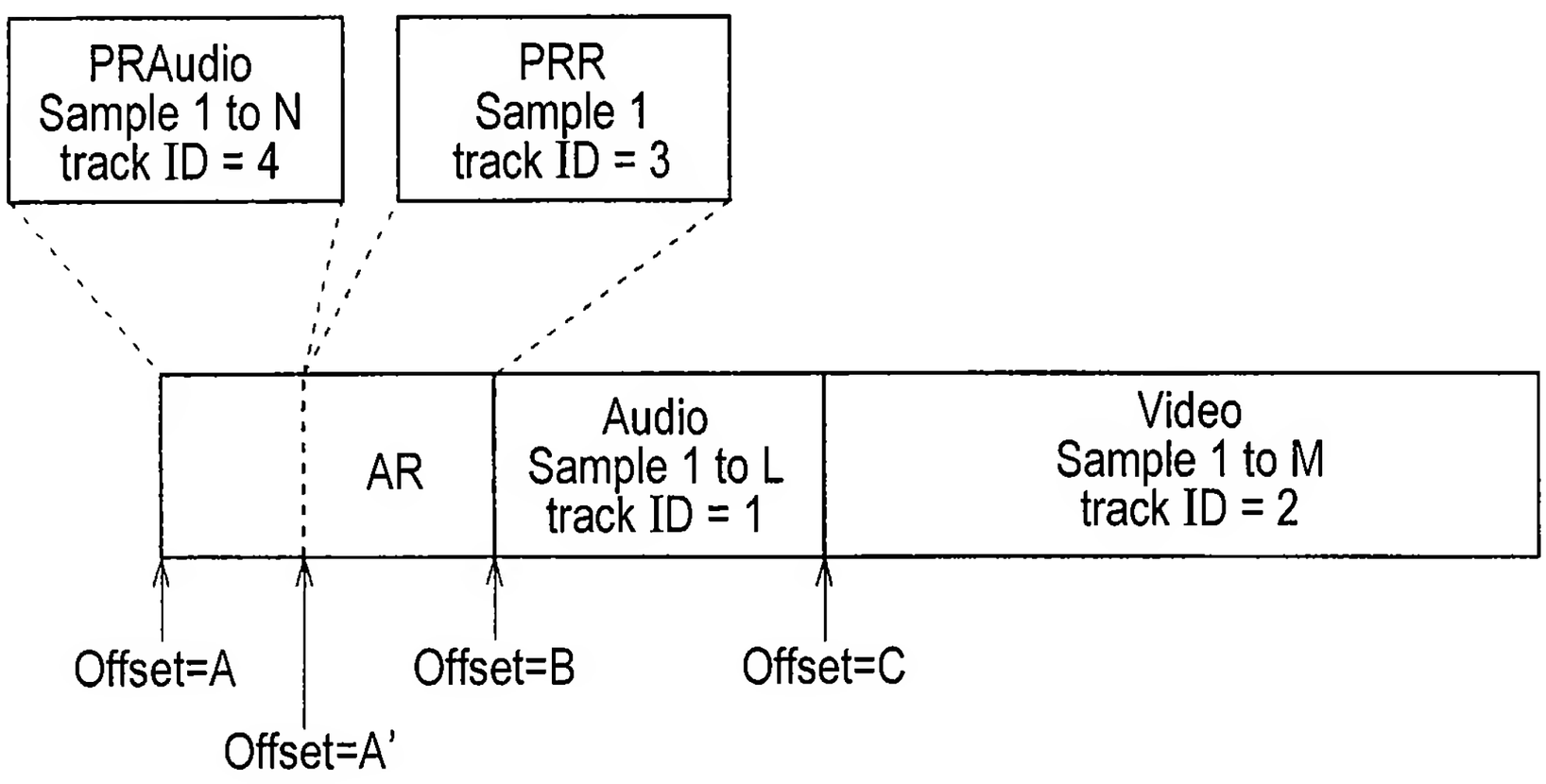

PRAudio
Sample 1 to N
track ID = 4
PRR
Sample 1
track ID = 3
AR
Audio
Sample 1 to L
track ID = 1
Video
Sample 1 to M
track ID = 2
Offset=A
Offset=A'
Offset=B
Offset=C

FIG. 6

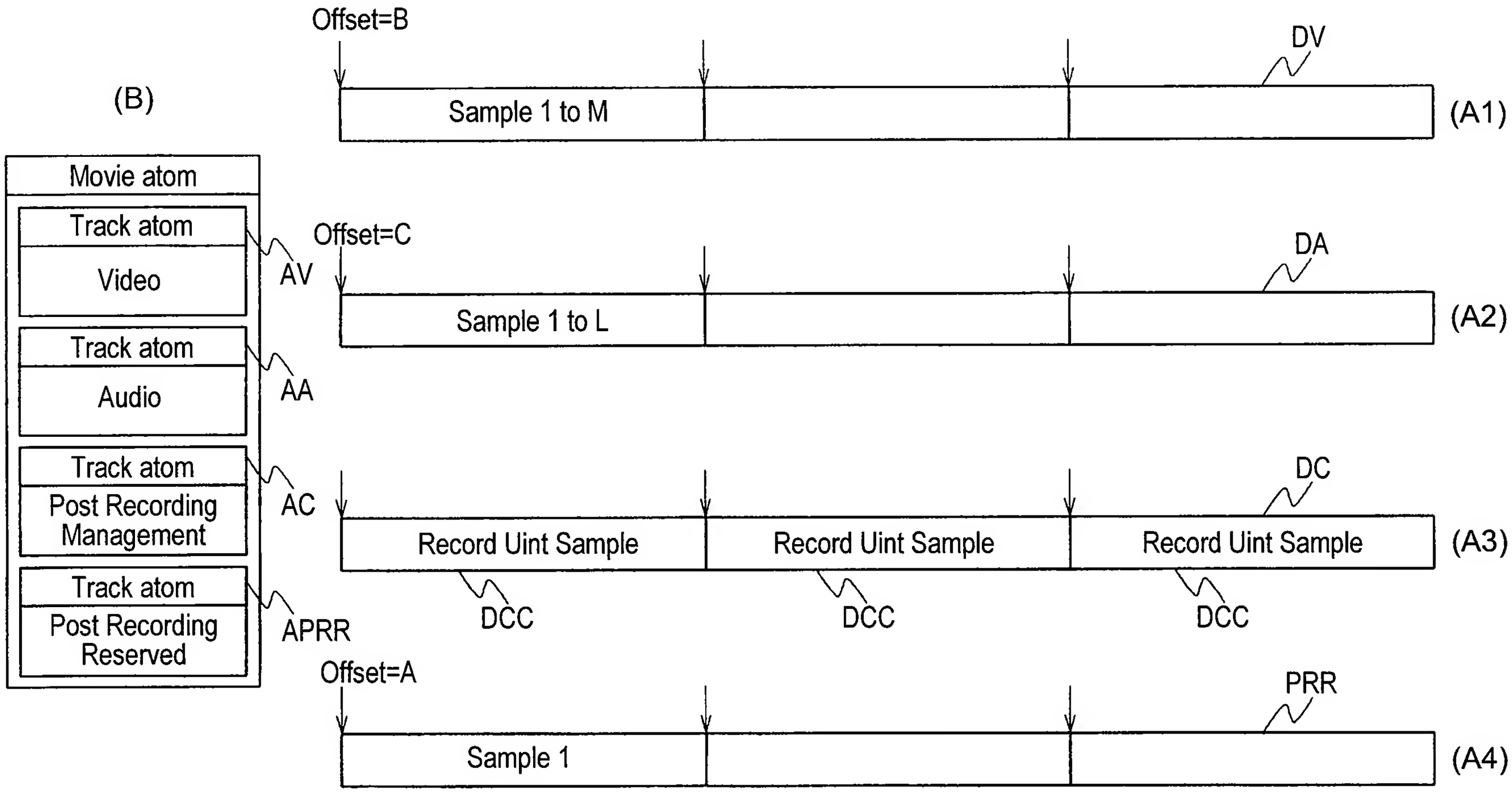

(B)
Movie atom
Track atom
Video
AV
Track atom
Audio
AA
Track atom
Post Recording Management
AC
Track atom
Post Recording Reserved
APRR
Offset=B
DV
Sample 1 to M
(A1)
Offset=C
DA
Sample 1 to L
(A2)
DC
Record Uint Sample
Record Uint Sample
Record Uint Sample
(A3)
DCC
DCC
DCC
Offset=A
PRR
Sample 1
(A4)

FIG. 7

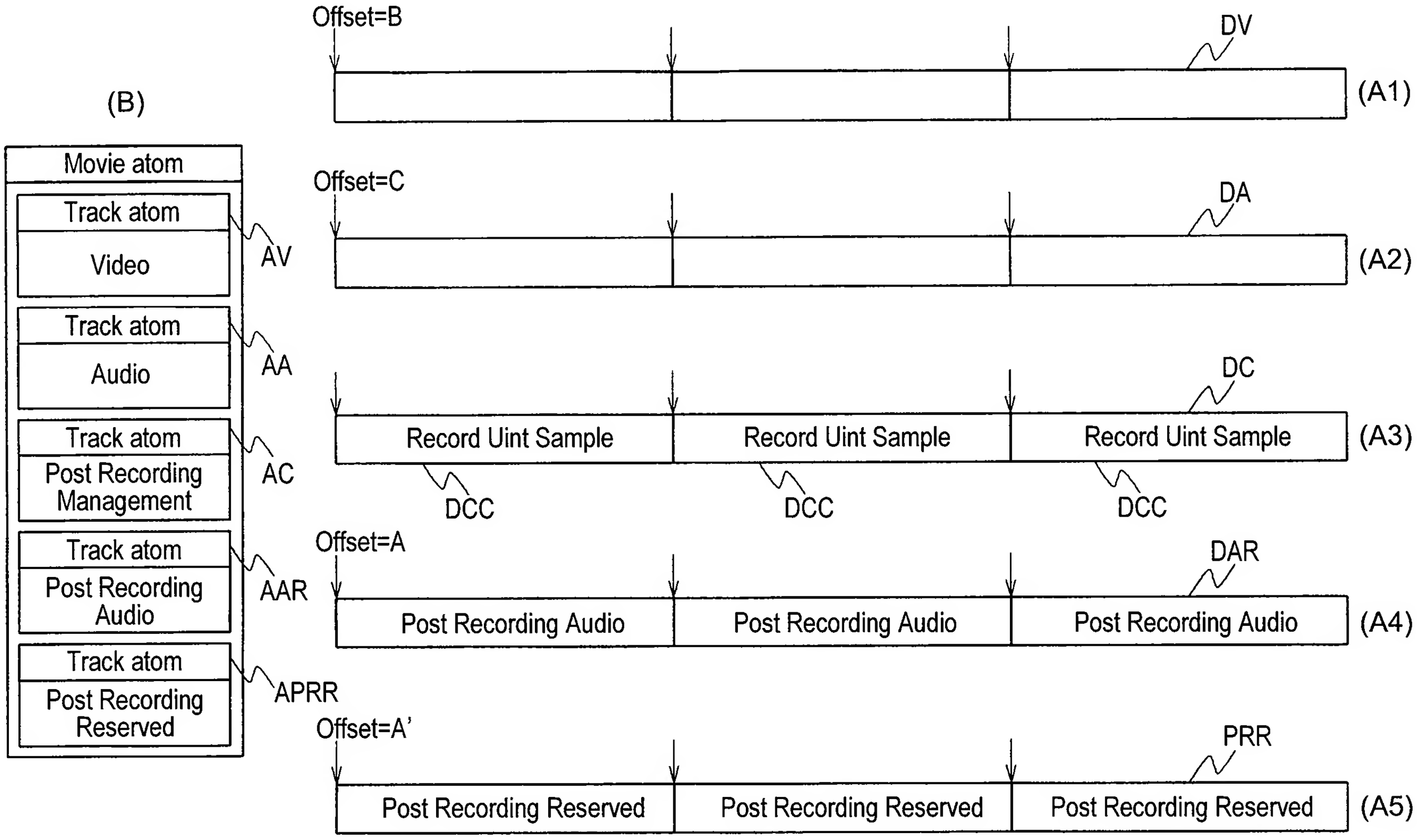

(B)
Movie atom
Track atom
Video
AV
Track atom
Audio
AA
Track atom
Post Recording Management
AC
Track atom
Post Recording Audio
AAR
Track atom
Post Recording Reserved
APRR
Offset=B
DV
(A1)
Offset=C
DA
(A2)
DC
Record Uint Sample
Record Uint Sample
Record Uint Sample
(A3)
DCC
DCC
DCC
Offset=A
DAR
Post Recording Audio
Post Recording Audio
Post Recording Audio
(A4)
Offset=A'
PRR
Post Recording Reserved
Post Recording Reserved
Post Recording Reserved
(A5)

FIG. 8

Record Unit Sample Data	size (bytes)
Record Unit Sample{	
Post recording Area size	4
number of entries	2
Post recording Area Info{	
Track-ID	4
Sample-index	4
Sample-count	4
Referred-counter	2
}	
}	

DCC

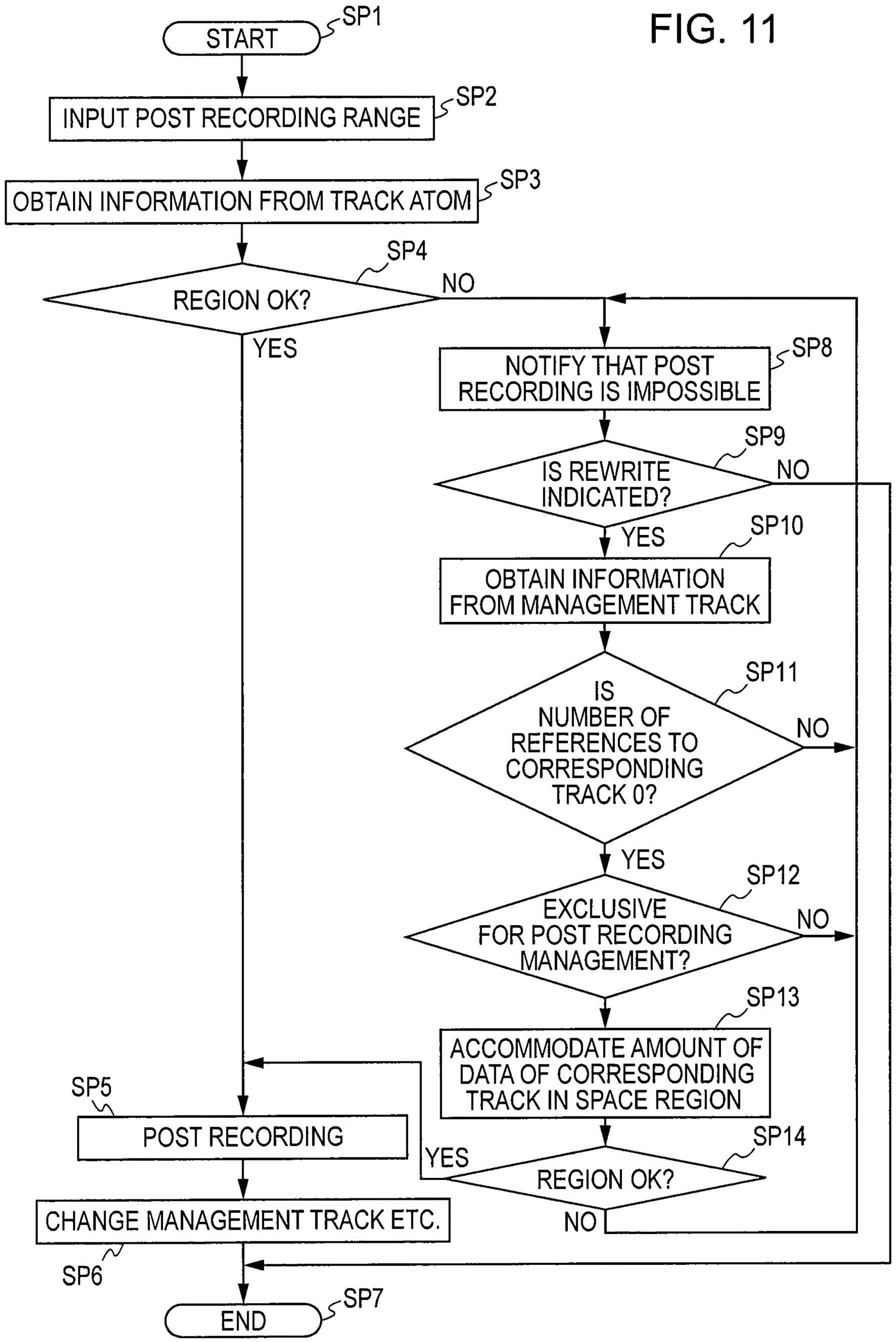
FIG. 8

field	Track-id	Sample-index	Sample-count	Referred-counter
Record Unit Sample 1	3	1	1	0

FIG. 10

field	Track-id	Sample-index	Sample-count	Referred-counter
Record Unit Sample 1	4	1	N	1
	3	1	1	0
Record Unit Sample 2	3	2	1	0

FIG. 11


START
SP1
INPUT POST RECORDING RANGE
SP2
OBTAIN INFORMATION FROM TRACK ATOM
SP3
REGION OK?
SP4
NO
YES
NOTIFY THAT POST RECORDING IS IMPOSSIBLE
SP8
IS REWRITE INDICATED?
SP9
NO
YES
OBTAIN INFORMATION FROM MANAGEMENT TRACK
SP10
IS NUMBER OF REFERENCES TO CORRESPONDING TRACK 0?
SP11
NO
YES
EXCLUSIVE FOR POST RECORDING MANAGEMENT?
SP12
NO
ACCOMMODATE AMOUNT OF DATA OF CORRESPONDING TRACK IN SPACE REGION
SP13
REGION OK?
SP14
YES
NO
POST RECORDING
SP5
CHANGE MANAGEMENT TRACK ETC.
SP6
END
SP7